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no. 2, p. 41-47.

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DESCRIPTORS: *Coal, *Coke, *Metallurgy, Poland.

For abstract see Technical Translations 6:358, 1961.

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THE HARDENING OF PITCH. [1961] [13]p.
Order from SLA \$1.60 61-20846

Trans. of Koks, Smola, Gaz (Poland) 1957 [v. 2]
p. 108-114.

DESCRIPTORS: *Pitch, Hardening, Oxidation, Condensation, Hydrogen, Dehydrogenation, Coke, Chemical reactions, Sparks, Temperature, Coal, Processing.

At the beginning of the process oxidation and condensation takes place. Later, oxygen combines with free hydrogen and condensation continues until the loss of oxygen is almost complete. Oxygen has dehydrogenating and condensing effect upon pitch. The actual condensation of pitch accompanied by the loss of oxygen takes place in two stages. Each stage corresponds (Machinery--Manufacturing, TT, v. 7, no. 6) (over)

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DESCRIPTORS: *Coal, *Gases, Chemical reactions,
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DESCRIPTORS: *Coke, *Ovens, *Heating, Heat ex-
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Sci - Chem, M/M
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Optimum Grain-Size Distribution of Coal Charges,
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DESCRIPTORS: *Coke, Ovens, Heating, Gases, Com-
bustion, Hydrostatic pressure, Coal.

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with elongated regenerator, and of the operating
conditions before and after regulating. Also mentioned
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